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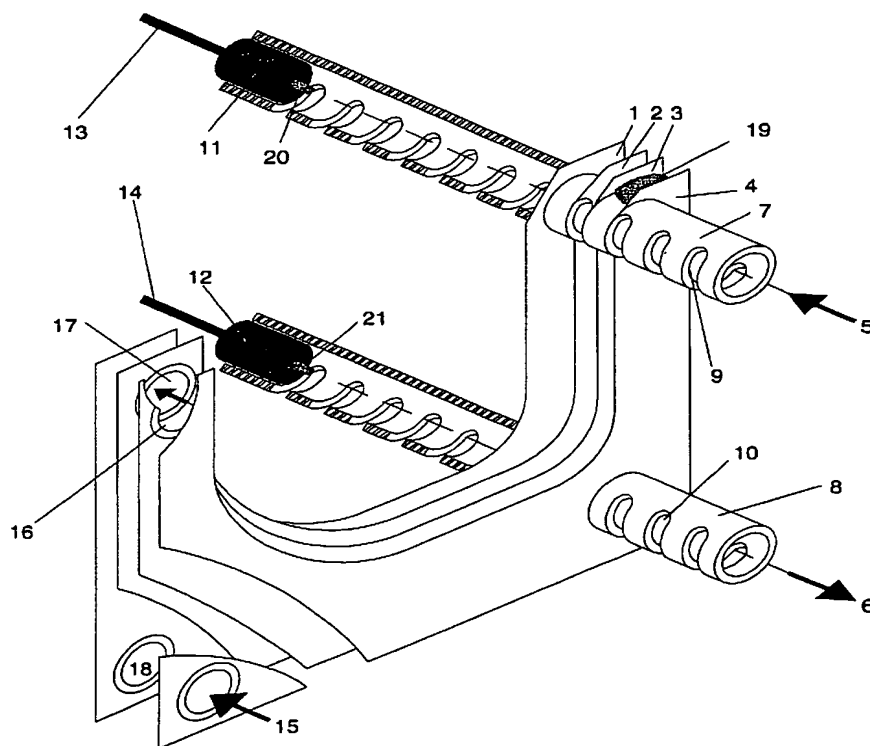
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(54) Title: IMPROVED HEAT EXCHANGER TEMPERATURE CONTROL SYSTEM



(57) Abstract: A heat exchanger for use in temperature control comprising two or more heat transfer elements (1, 2, 3, 4) containing flowing heating or cooling fluid and in contact with a medium whose temperature is to be controlled by the number of heat transfer elements (1, 2, 3, 4) in operation and which can be varied to control the heat transfer capacity of the heat exchanger wherein the number of heat transfer elements (1, 2, 3, 4) in operation is controlled by measurement of the temperature (20, 21) of the medium to be controlled and the actuator (11, 12) for controlling the number of heat transfer elements (1, 2, 3, 4) in operation is contained within the body of the heat exchanger.

Example of how to design a variable area piston in a plate heat exchanger.